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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/628,946	07/28/2003	Daniel A. Kearl	10019358-1	9103
200,,	7590 02/09/2007 CKARD COMPANY	EXAMINER		
HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400			WILLIAMS, SHERMANDA L	
			ART UNIT	PAPER NUMBER
			1745	
			·	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
31 DAYS 02/09/2007 PA		PER ·		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	10 N					
	Application No.	Applicant(s)				
	10/628,946	KEARL ET AL.				
Office Action Summary	Examiner	Art Unit				
	Shermanda L. Williams	1745				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)⊠ Responsive to communication(s) filed on 14 I	1) Responsive to communication(s) filed on 14 November 2006.					
· <u> </u>	,					
3) Since this application is in condition for allowa	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-64</u> is/are pending in the application.						
4a) Of the above claim(s) 42-64 is/are withdra	4a) Of the above claim(s) <u>42-64</u> is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.	i) ☐ Claim(s) is/are rejected.					
7) Claim(s) is/are objected to.						
8)⊠ Claim(s) <u>1-41</u> are subject to restriction and/or	8) Claim(s) <u>1-41</u> are subject to restriction and/or election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the	e drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO/SB/08)						
Paper No(s)/Mail Date	0) Other:					

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DETAILED ACTION

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Response to Amendment

This office Action is responsive to the Amendment After Non-Final Rejection filed

11/14/2006. Claims 14, 19, 30, 32, 33, and 35 have been amended. Claims 1-64 are

pending.

Response to Arguments

Applicant's arguments with respect to claims 1-35 have been considered but are

moot in view of the supplemental election requirement presented below. The indication

of previous allowable subject matter is withdrawn after further consideration by the

Examiner in view of the supplemental election of species requirement. The previous

restriction requirement is maintained.

Supplemental Election/Restrictions

After further consideration by the Examiner, withdrawn Group II, claims 36-41 will be

rejoined with elected claims 1-35 of Group I for examination in the next Office Action.

With respect to Groups I and II, this application contains claims directed to the following

patentably distinct species:

I. Election of species is to be made for the type of electrolyte:

The species are solid oxide electrolyte and proton-exchange membrane electrolyte.

II. Election of species is to be made for the method of forming the chamber:

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The species are:

a) forming the chamber comprising the substeps of (claim 7)

- i) depositing a layer of sacrificial material
- ii) pattering the sacrificial
- iii) covering the sacrificial material with a suitable material to form a chamber roof
- iv) removing the sacrificial material;
- b) forming the chamber comprising the substeps of (claim 11);
 - i) forming a porous electrode
- ii) covering the porous electrode with a suitable material to form a chamber roof c) forming the chamber by the substeps of (claim 14).
 - i) depositing and patterning a planar film of an oxidizable material
 - ii) oxidizing the oxidizable material to form a chamber roof
- d) forming the chamber comprising the step of tape casting the electrolyte (claims 18 and 19).

III. Election of species is to be made for the material for the chamber:

The species are electrolyte and nonelectrolyte.

IV. Election of species is to be made for the solvent if applicant elects species d) in category II above.

The species for the solvent are: isopropyl alcohol, water, ethyl alcohol, methyl alcohol, methyl ethyl ketone.

The species are independent or distinct because they are mutually exclusive and do not overlap in scope.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, at least claim 1 is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shermanda L. Williams whose telephone number is (571) 272-8915. The examiner can normally be reached on Mon.-Thurs. 7 AM - 4:30 PM and alternating Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CAROL CHANEY
SUPERVISORY PATENT EXAMINER

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